

Product datasheet for **MR211215**

Als2 (NM_146109) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Als2 (NM_146109) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Als2
Synonyms:	3222402C23Rik; 9430073A21Rik; Als2cr6; Alsin; mKIAA1563
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR211215 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCAAAGAAGAAAAGCTCAACAGAGGCAGAAGGATCCAAAGAAGAGGCCTAGTCCATGTCTGGC
 AGGCAGGATCCTTTCTCTAACACCAGAGAGGTTGCCAGGCTGGGGTGGAAAGACAGTTCTTCAGGCAGC
 CCTTGGTGTGAGGCATGGAGTTCTTCTGACTGAAGATGGTGAAGTCTACAGCTTTGGGACTCTTCCCTGG
 AAAAGTGAATCAGCAGAAATTTGTCCAAGCAGCCCTTCTAGAAAAGTGCCTGGTTGGGCATCATGTTA
 TTAAGTGTGGCAACAGGGAGCTTCCACAGTGGAGCAGTGACAGAGAGCGGGTGGTGTACATGTGGGGAGA
 GAATGCTGCCGGCAGTGTGCGGTAGCTAACAGCAGTATGTGCCGGAGCCGAGTCTGTGCAGCATTCT
 GACTCGGAGACCAGCCGTCATTAGCAGTTAGGATTCTGCAATTGGCATGTGGCGAGGAACACACTGG
 CATTGTCACTCAGCAGAGAGATCTGGGCATGGGGCACCAGGCTGTGAGTGGCCCTCATCACCACCCTTT
 CCCAGTGACAAAGCCACAGAAGGTGGAACACCTTGTGGACGAGTGGTGTCCAGGTGGCCCTGCGGTGCA
 TTCCACAGCCTTGCACTTGTGCAGTGCCTCCCTCCTCAGGATCTGAAGCCAGTCCAGAGAGATGCAATC
 AGTGCAGCCAGCTGCTCATCACCATGACAGACAAGAGGACCATGTGATAATATCGGACAGCCATTGCTG
 CCCTTTAGGTGTGACATTGTCCGAGTCTCAAGCAGAAAAGCATGCCAGCCCTGCTCCCAGCCCTCACCCA
 GAGGCACTGGATGAGCAGGGAGAGGTGTTTGAACACGGTGGTGAAGCTGAACATGGAAGCA
 GTCAGACCACAAGTGGCAGTGCATTTCCACCCAGCAGAACATCGTGGGAACAGCTGAAGTGTCTTCTGC
 CAGAACAGCTCCGTCATACCCAGACCCCATGCCGTAAGTGCATACCTGCAGAAGCTGTGAGCAGTTCG
 ATGAGGGAGAACCATGAGCCTGGAGAAAAGCCACCCAGTCCAGCCTTGTAGAAGAAGCAGTCTCTG
 ATCTTACAGTCCACCAACCACAAGCCTCAGCCCTCAACAGCTTGGTGGTCTCCTGTGCATCTGCTGT
 TGGTGTGAGAGTGGTGCACCTATGAAGCTGGGGCCTTGTCTCAAGAAAGTTATGAACTTTTACAGC
 ACTGCCCTGCGAGACGGCAGTCAAGTCCAGGCAAGTCTGAAAGTCTGAAAGTCTCC
 GAGAAGAGCAGGTGAAACAGGAGTCAAGTCTCATGGACATCAGAGAGGA
 AGAGTCGGAGGGAGGGAGTGAAGACTCTCCCTCCCAGGGTGTGTGCGCAAGTTTCCCCAGGCTTTA
 AGGAAGGCTGCGAGGGTGAAGTCCGACAGTGGTCTGACTCCACATACAGTGGAGAAGCAGATGCC
 TTCTGCCTTCCCTGAGGACAGAGGTGTGGACCTGGGGAAAGGCAAGGAAGGCGAGTAGGGCACGGCGA
 CGTCTGCCAGGCTTCCAGCCTTGTGTCAAGTGTCTGGATGGTAAAGAGGTAATCCACCTGGAGGCG
 GCGGCTCCCCTCCCTCGACTCACTCGCAAATCTCAGGTTTACTCATGGGCGAGTAATACCTTTGGTC
 AGCTTGGGCATTCTGAGTTTCAACAACGGTTCCTCGACTCTCAAGGTTAGCAGTGAAAATGGAGTCTG
 GAGTGTAGCTGCAGGCCAAGATTATTCCTTGTTTTTAGTGGACACGGAAGACTTCCAGCCTGGGTGTAT
 TACAGTGGCCGACAGGACCGTGCAGAAGGTGATACCCTGCCAGAGAATCCAGTGGTACAAGACTCCAG
 TACTTCTCCTGTAGTAAGCTTGGATACATAAGCAGAGTAACAGCAGGAAAAGATAGCTATCTAGCCTT
 GGTGGATAAGAATCATGAGGATACATCGCCAGTCTCCATGAGTTGGCTTCTACAGAAAGACGGTTTTAC
 TCAAAACTGAGCGAAATCAAATCACAGATACTTAGGCCTTCTCAGTTTAGAAAATTTGGGCACAGTGA
 CCACTGTCCAGCTGTTGCAGGAAGTTGCCAGCCGTTTCCAGCAAGTTGTGTACCTCATTGGGCAGCATGG
 AGCCTCACTAAGCAGCTACCTACAGGGTATGAAGGAAGCCAGCAGCCTGGTATCATGAAGCACTAAGT
 CTTTTCTGGACAGTACACAGAGTACTGCACATCAGTTTCAAATTTCTGGTTATGGGAGGATTCCAGC
 TTCTTGCTAAGCCTGCCATTGATTTCTAAATAAAAACCAAGAACTCTTGCAAGATTTGTGAGAAGTGA
 TGATGAGAACACTCAGTTGATGGAAATCCTGAACATGCTGTTTTTCTTGCCAATCAGACGACTTCATAAT
 TATGAAAAGTTTTGCTAAAGCTTGGCCTTGTGTTGAAAGTGGTGGTTCGTGTGTGCCCTCCAAATA
 CTCGGGAAGCCAAAGTCAAAGTAGTTTGTGTTGATTAAAGTCTCCTAAGATGTTGGGCCCGGGCTGG
 TGAGATGGCTCAGTGGGTAAGAGCACCTGACTGCTCTCCGAAGTCTGGAGTTCAAATCCAGCAACCA
 CATGGTGGCTACAACCACCCGTAATGAGATCTGATGCCCTCTTCTGGAGTGTG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

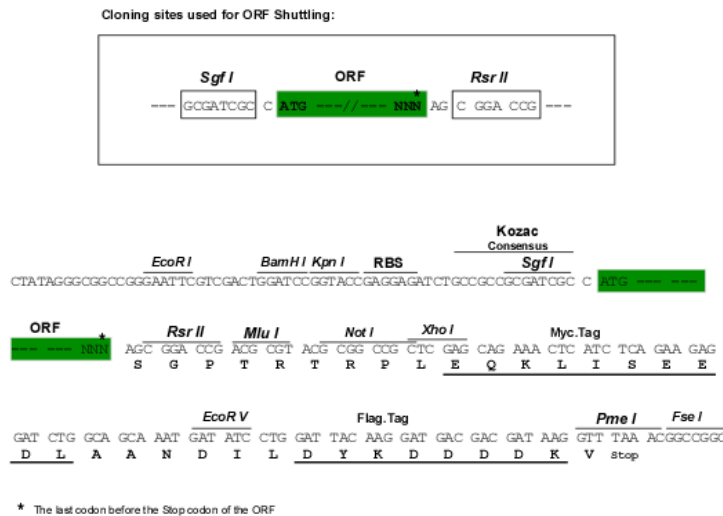
Protein Sequence: >MR211215 protein sequence
 Red=Cloning site Green=Tags(s)

MDSKKKSSTEAEGSKERGLVHVWQAGSFSLTPERLPGWGGKTVLQAALGVRHGVLLTEDGEVYSFGTLPW
 KSESAEICPSSPLLESALVGHVITVATGSFHSGAVTESGVVYMWGENAAGQCAVANQQYVPEPSPVIS
 DSETSPSLAVRILQLACGEEHTLALSLSREIWAWGTGCQLGLITTTFPVTKPKQKVEHLAGRVLQVACGA
 FHSLALVQCLPPQDLKPVPERCNQCSQLLITMTDKEDHVIIISDSHCCPLGVTLSESQAQKHAHPAPSPHP
 EALDEQGEVFENTVVEAELNMGSSQTTSGSAISTQQNIIVGTAEVSSARTAPSYPDTHAVTAYLQKLSHS
 MRENHEPGEKPPQVQPLVEEAVPDLHSPPTTSTSALNSLVVSCASAVGVRVAATYEAGALSLLKVMNFYS
 TAPCETAAQSGSASTGPESLKDRLREEQVKQESLQGKSSSLMDIREEESEGGSRRLSLPGLLSQVSPRLL
 RKAARVKTRTVVLTPYSGEADALLPSLRTEVWTWGGKGEQLGHGDVLPRLQPLCVKCLDGKEVIHLEA
 GGSHSLALTAQSQVYSWGNTFGQLGHSEFPTVPRLSKVSENGVWSVAAGQDYSFLVDTEDFQPLY
 YSGRQDRAEGDTPENPSGKTPVLLSCSKLGYISRVTAGKDSYLALVDKINIMGYIASLHELASTERRFY
 SKLSEIKSQILRPLLSLENLGTVTTVQLLQEVASRFKLCYLIGQHGSLSYLLQGMKEASSLVMKHSS
 LFLDSYTEYCTSVSNFLVMGGFQLLAKPAIDFLNKNQELLQDLSEVNDENTQLMEILNMLFFLPIRRLLHN
 YAKVLLKLATCFEVVGFVCAPPNTREAKSQSSLFALSLLKMLGPGAGEMAQWVRAPDCSSEGLEFKSQQP
 HGGSQPPVMRSDALFWSV

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

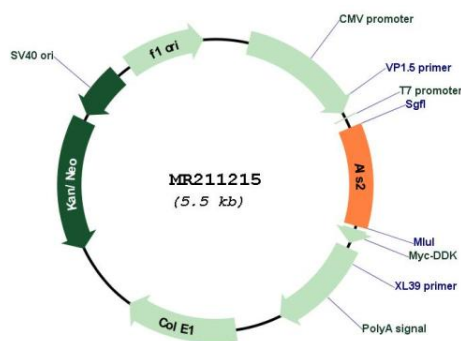
Cloning Scheme:



ACCN: NM_146109

ORF Size: 2787 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq Size:	2977 bp
RefSeq ORF:	2787 bp
Locus ID:	74018
UniProt ID:	Q920R0
Cytogenetics:	1 C1.3
MW:	100.1 kDa
Gene Summary:	May act as a GTPase regulator. Controls survival and growth of spinal motoneurons. [UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR211215